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October 31, 2017

AWMD/APCO

#### VIA CERTIFIED MAIL # 9414 8108 9876 5000 5407 13

Director
Air and Waste Management Division
11201 Renner Boulevard
Lenexa, Kansas 66219

RE:

Initial Annual Report (August 2, 2016 to August 1, 2017)

NSPS Subpart OOOOa Tapstone Energy, LLC

Kansas

Dear Sir/Madam:

Tapstone Energy, LLC (Tapstone) owns and operates well sites in Kansas subject to requirements under 40 CFR §60.5360a-5499a, NSPS Subpart OOOOa. In accordance with 40 CFR §60.5420a(b), Tapstone is submitting this annual report for each well site affected facility. The report covers the period from August 2, 2016 to August 1, 2017. A list of each affected well site is shown below:

			NSPS Subp	art 0000a	Source
			Category		
Site Name	API Number	Lat/Long	Well Completion	Well Site Fugitive Emission Survey	Pneumatic Pump
Carothers 17-33-7 1H Pad	15077221650000	37.159415094, -98.109405597		X	
Diel Farms 15-34-9 1H Pad	15077221550000	37.080400997, -98.276542657		X	
Diel Farms 15-34-9 2H Pad	15077221610000	37.080442056, -98.2864339		X	
Kennedy 14-34-9 1H Pad	15077221620000	37.080401207, -98.266807939		x	
Leann 21-34-9 2H Pad	15077221580000	37.065945956, -98.309214262		х	
Leech 16-34-9 1H Pad	15077221640000	37.080471181, -98.294797667		×	
Mark 25-34-9 2H Pad	15077221590000	37.051184581, -98.253017194		X	
Salsberry 17-34-7 1H and Salsberry 20-34-7 1H Pad	15077221520000 15077221480000	37.080189656, -98.106043689		x	
Sylvia 23-34-9 1H Pad	15077221600000	37.065766132, -98.25432516		х	

100 EAST MAIN STREET | OKLAHOMA CITY | OKLAHOMA | 73104 PH: 405.702.1600 | TAPSTONEENERGY.COM

### 40 CFR §60.5420a(b)(7) - Collection of Fugitive Emission Components

Due to the regulatory uncertainty caused by multiple actions of the U.S. Environmental Protection Agency ("EPA") and U.S. Court of Appeals for the D.C. Circuit ("Court"), Tapstone experienced multiple deviations during the reporting period on fugitive emission monitoring. The actions taken by EPA and the Court are listed as follows:

- On May 26, 2017, EPA published a 90-stay of the fugitive emission requirements under NSPS Subpart OOOOa.
- On June 16, 2017, EPA published a proposal to delay the fugitive leak requirements under NSPS
   Subpart OOOOa for two years while the agency performed a regulatory review.
- On July 3, 2017, the Court vacated the 90-day stay that EPA published on May 26, 2017.
- On July 13, the Court granted EPA a 14-day delay on vacating the 90-day stay.

Considering the regulatory actions and court decisions, Tapstone maintains that the fugitive emission requirements under NSPS Subpart OOOOa were not in effect between May 26, 2017 and July 3, 2017, or between July 13, 2017 and July 27, 2017. Tapstone is unclear how these time-gaps impact the regulatory requirements associated with leak surveys performed during that time and asks that the EPA exercise enforcement discretion. The deviations reported were not deliberate or intentional, but a direct result of regulatory uncertainty. Once the rule appeared to be back in effect, Tapstone began to take immediate and reasonable action to correct any leaks discovered. As a result of these actions, Tapstone will not realize a significant economic or competitive advantage.

A summary of fugitive emission deviations is included as Attachment 1.

Records required by 40 CFR §60.5420a(b)(7) for each survey are included as Attachment 2.

Please contact Jaron Hill at (405) 702-1646 or by email at <a href="mailto:ihill@tapstoneenergy.com">ihill@tapstoneenergy.com</a> with any questions regarding this report.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Sincerely.

Rick Hughes

Vice President - Operations

#### Attachments:

- 1. Summary of Fugitive Emission Deviations
- 2. Fugitive Emission Reports

CC: Director

Bureau of Air

Kansas Department of Health and Environment

1000 SW Jackson, Suite 310 Topeka, KS 66612-1366

VIA CERTIFIED MAIL # 9414 8108 9876 5000 5409 35

# Attachment 1 Summary of Fugitive Emission Deviations

## Tapstone Energy NSPS Subpart OOOOa Annual Report

### **Summary of Fugitive Emission Deviations**

Kansas

Reporting Period: August 2, 2016 to August 1, 2017

Facility	Tag No.	Deviation Type	Due Date	Corrective Action Date
Diel Farms 15-34-9 1H	832	Late Repair	6/29/2017	Pending
Pad	Enardo	Late Repair	6/29/2017	10/31/2017
	817	Late Verification	7/9/2017	7/13/2017
	819	Late Repair	6/29/2017	10/2/2017
Diel Farms 15-34-9 2H	820	Late Repair	6/29/2017	10/26/2017
Pad	821	Late Repair	6/29/2017	10/26/2017
	822	Late Verification	7/9/2017	7/14/2017
			0000000	
Kennedy 14-34-9 1H Pad	834	Late Repair	6/29/2017	8/9/2017
veillianh 14-54-5 tu Lan	834	Late Verification	9/8/2017	10/2/2017
	Enardo	Late Repair	6/29/2017	10/31/2017
	829	Late Repair	6/29/2017	9/7/2017
1	827	Late Verification	7/9/2017	7/14/2017
Leann 21-34-9 2H Pad	830	Late Verification	7/9/2017	7/14/2017
	831	Late Verification	7/9/2017	7/14/2017
	823	Late Repair	6/29/2017	10/2/2017
	824	Late Repair	6/29/2017	Pending
Leech 16-34-9 1H Pad	825	Late Repair	6/29/2017	10/26/2017
	826	Late Verification	7/9/2017	7/14/2017
	836	Late Repair	6/29/2017	10/22/2017
Mark 25-34-9 2H Pad	835	Late Repair	6/29/2017	10/26/2017
Salsberry 17-34-7 1H	804	Late Repair	6/29/2017	<del></del>
and Salsberry 20-34-7	839	Late Repair	6/29/2017	<u> </u>
1H Pad	840	Late Repair	6/29/2017	
	841	Late Repair	6/29/2017	
200000000	837	Late Repair	6/29/2017	10/26/2017
Sylvia 23-34-9 1H Pad	Enardo	Late Repair	6/29/2017	10/31/2017
000000000000000000000000000000000000000	812	Late Verification	7/9/2017	7/14/2017

# Attachment 2 Fugitive Emission Reports



0.00	
Requirement	Comment/Answer
Tapstone Energy	
100 East Main Street	na
Oklahoma City, OK 73104	
Carothers 17-33-7 1H	Harper County, KS; Well #130607
37.15937N.98.10944W	
(A) Date of the survey.	30-May-17
(B) Beginning and end time of the survey.	8:00am-9:10am
(C) Name of operator(s) performing survey. You must note the training and experience of the operator.	Greg Stroscher
(D) Monitoring instrument used.	FUR GF320
(E) When optical gas imaging is used to perform the survey, one or more digital photographs or videos, captured from	
the optical gas imaging instrument used for conduct of monitoring, of each required monitoring survey being performed.  The digital photograph must include the date the photograph was taken and the fallitude and longitude of the collection of	Tag801.jpg Tag802.jpg Tag803.jpg Tag(enardo)jpg
fugitive emissions components at a well site or collection of fugitive emissions components at a compressor station	
imbedded within or stored with the digital file. As an alternative to imbedded fatiltude and longitude within the digital file,	
the digital photograph or video may consist of an image of the monitoring survey being performed with a separately	Tag(enando cili tank).jpg
operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit	7.59(2.10.10.10.10.10.10.10.10.10.10.10.10.10.
can be clearly read in the digital image.	
(F) Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.	N/A
(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	81°F, cloudy, wind 2mph SW
(H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	no
	Tag801 - Murphy level controller, compressor scrubber
(I) Documentation of each tugitive emission, including the information specified in paragraphs (c)(15)(ii)(0)(1) through	Tag802 - regulator vent, knockout
(12) of this section.	Tag803 - thief hatch, water tank 2
(12) Of this section.	Tag(enardo) - enardo, water tank battery
	Tag(enardo oil tank) - enardo, oil tank Battery
(f)Localism	37.15937N, 98.10944W
(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	No deviations from monitoring plan
(3) Number and type of components for which fugitive emissions were detected.	5
(4) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.	0
(5) Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for monitoring.	Not Applicable
(6) Number and type of fugilive emissions components that were not repaired as required in §60.5397a(h).	<u></u>
[7] Number and type of components that were tagged as a result of not being repaired during the monitoring survey	
when the fugitive emissions were initially found as required in \$60.5397a(h)(3)(iii).	3 - Tag802, Tag(enardo), Tag(enardo oli tank)
(8) If a highive emissions component is not lagged, a digital photograph or video of each fugitive emissions component that could not be repaired during the monitoring survey when the fugitive emissions were initially found as required in	Tag801repair.jpg Tag803repair.jpg
§60.5387a(h)(3)(ii). The digital photograph or video must clearly identify the location of the component that must be	
repaired. Any digital photograph or video required under this paragraph can also be used to meet the requirements	
under paragraph (c)(15)(ii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging	
instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture.	ļ
(9) Repair methods applied in each attempt to repair the fugitive emissions components.	
(10) Number and type of fugilive emission components placed on delay of repair and explanation for each delay of repair.	
	30-May-17
(11) The date of successful repair of the fugitive emissions component.	30-May-17
	30-May-17 FLIR GF320
(11) The date of successful repair of the fugitive emissions component. (12) Instrumentation used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding.	
(11) The date of successful repair of the fugitive emissions component. (12) Instrumentation used to resurvey a repaired fugitive emissions component that could not be repaired during the	
<ul> <li>(11) The date of successful repair of the fugitive emissions component.</li> <li>(12) Instrumentation used to resurvey a repaired fugility emissions component that could not be repaired during the initial fucitive emissions finding.</li> <li>(iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under</li> </ul>	FLIR GF320

DOR Repair Date DOR Resson Description Report Verification Method Data leak is determined (IR Canvers or Josep and to be on Datay of Repair (ECUS) IR Camera
IR Camera
IR Camera
IR Camera 7105/81/1 7105/81/1 7105/81/1 7/13/2017 Repair Verification Date 6/74/2017 6/74/2017 6/74/2017 6/24/2017 Date of Leak Repair Repair/Replacement Task 5/30/2017 \$30,701,7 \$100,701,7 \$100,701,7 \$100,701,7 Date of Leak IR Survey 801 Murphy level countriller, compressor scrubber
802 segulator vent, knoskosst
803 lined hasth, water tank 2
Exarbo (roll enurity, cil tank Baltery
Eracto
(water) enarch, water tank buttery Location Description Lesk Tag ID



Requirement	Comment/Answer
Tapstone Energy	
100 East Main Street	na
Oklahoma City, OK 73104	
Eiel Farms 15-34-9 1H	Harper County, KS; Well #130494 & #130471
37.08036N-98.76643W	
(A) Date of the survey.	30-May-17
(B) Beginning and end time of the survey.	12:40pm-1:05pm
(C) Name of operator(s) performing survey. You must note the training and experience of the operator.	Greg Stroscher
(C) Monitoring instrument used	FLIR GF320
are opinion gas imaging assument used for conduct of monitoring, or each required monitoring survey being perform. *  The digital photograph must include the date the photograph was taken and the latitude and longitude of the collectic flugitive emissions components at a well site or collection of flugitive emissions components at a compressor station imbedded within or stored with the digital file. As an alternative to imbedded latitude and longitude within the digital file,	832.jpg Tag(enardo).jpg Tag817.jpg
the digital photograph or video may consist of an image of the monitoring survey being performed with a separately operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit can be clearly read in the digital image.	
(F) Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.	Not Applicable
(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	78°F, wind 8mph W
(H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	none
(i) Documentation of each fugitive emission, including the information specified in paragraphs (c)(15)(ii)(i)(1) through (12) of this section.	Tag832 - Murphy level controler, compressor scrubber Tag(enardo) - enardo, tank battery Tag817 - Thief Hatch, Water tank
(1) Location.	37.08036N, 98.28643W
(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	No deviations from monitoring plan
(3) Number and type of components for which fugilive emissions were detected.	3 - Murphy Level Controller, Thief Hatch, Enardo Valve
(4) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.	0
(5) Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for monitoring.	} 
(6) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).	0
(7) Number and type of components that were tagged as a result of not being repaired during the monitoring survey when the flugitive emissions were initially found as required in \$60.5397a(h)(3)(ii).	3
(8) If a fugitive emissions component is not tagged, a digital photograph or video of each fugitive emissions component that could not be repaired during the monitoring survey when the fugitive emissions were initially found as required in §80.5397e(h,(3)(ii). The digital photograph or video must clearly identify the focation of the component that must be repaired. Any digital photograph or video required under this paragraph cen also be used to meet the requirements under paragraph (c)(15)(ii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture.	
(10) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.	0
(11) The date of successful repair of the fugitive emissions component.	tbd
(12) Instrumentation used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding.	FLIR GF320
(iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under \$60.5397a(g)(5), you must maintain records of the everage calendar month temperature, including the source of the information, for each calendar month of the querterly monitoring period for which the monitoring survey was waived.	No Compressor Stations

Diel Farms 15-34-9 1H Pad

N/A
7023/2012    Richards   Richards



Special Energy  Marked Towards 15-34-9-281  Marked or objects the survey.  Seginaring and end time of the survey.  Seginaring and end time of the survey.  Seginaring and end time of the survey.  Marked or operator(s) partoming survey. You must note the braining and experience of the operator.  Marked or operator(s) partoming survey. You must note the braining and experience of the operator.  Marked or operator(s) partoming survey. You must note the braining and experience of the operator.  Marked or operator(s) partoming survey. You must note the braining and experience of the operator.  Marked or operator(s) partoming survey. You must note the braining and experience of the operator.  Marked or operator(s) partoming survey. You must note the braining and experience of the operator.  Marked or operator(s) partoming survey. You must note the braining and experience of the operator.  Marked or operator(s) partoming survey. You must note the braining and experience of the operator.  Seg Strestcher  FLIR GF32D  Tag819 jpg Tag819 jpg Tag821.jpg Tag821.jpg Tag822.jpg  Tag819 jpg Tag819 jpg Tag821.jpg Tag822.jpg  Tag819 jpg Tag821.jpg Tag822.jpg  Tag819 jpg Tag822.jpg Tag822.jpg  Tag822.jpg Tag822.jpg  Tag823.jpg Tag822.jpg  Tag823.jpg Tag822.jpg Tag822.jpg  Tag823.jpg Tag823.jpg Tag822.jpg  Tag823.jpg Tag822.jpg Tag822.jpg  Tag823.jpg Tag822.jpg Tag822.jpg  Tag823.jpg Tag822.jpg Tag822.jpg  Tag823.jpg Tag823.jpg Tag822.jpg  Tag823.jpg Tag823.jpg Tag822.jpg  Tag823.jpg Tag823.jpg Tag822.jpg  Tag823.jpg Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jpg  Tag823.jpg Tag823.jp	Regultement Tapstone Energy	CONTROL OF THE PROPERTY OF THE
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re digital photograph must include the date the photograph was taken and the latitude and longitude of the collection of logitive emissions components at a week site or collection of logitive emissions components at a week site or collection of logitive emissions components at a compressor station bedded within or stored with the digital file. As an alternative to imbedded latitude within the digital file, edigital photograph or video may consist of an image of the monitoring survey being performed with a separately serating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit in be clearly read in the digital image.  Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.  And Applicable  Tag819   Tag819   Tag820   Tag820   Tag821   pg   Tag821   pg   Tag820   pg   pg   pg   pg   pg   pg   pg   p		
ingitive emissions components at a well site or collection of lugitive emissions components at a compressor station bedded within or stored with the digital file. As an alternative to imbedded latitude and longitude within the digital file, edigital file, edigital photograph or video may consist of an image of the monitoring survey being performed with a separately berating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit in be digital image.  I Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.  I Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.  I Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  Documentation of each fugitive emission, including the information specified in paragraphs (c)(15)(ii)(i) frough tag 2) of this section.  I Location.  Location.  I Location.  I Location.  I Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  I Number and type of components for which fugitive emissions were detected.  I Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.  I Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.  I I Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.  I I instrument reading of each fugitive emissions component that requires repair when Method 21 is used for	The divided interconnects must be just the data the chinescraph was taken and the latitude and londitide of the collection.	g818jpg Tag819jpg Tag820jpg Tag821jpg Tag822jpg
e digital photograph or video may consist of an image of the monitoring survey being performed with a separately serating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit as the digital image,  ) Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.  (i) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.  (i) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  (ii) Documentation of each lugitive emission, including the information specified in paragraphs (c)(15)(ii)(i) through  (iii) Location.  (i) Location.  (i) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  (ii) Location.  (iii) Location.  (ii	of funitive emissions components at a wall site or collection of funitive emissions components at a compressor station	d haammand haam
perating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit in the digital image.  Fugilive emissions component identification when Method 21 is used to perform the monitoring survey.  Act Applicable  81°F, whild 2mph SW  81°F, whild 2mph SW  10 Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  Documentation of each fugilive emission, including the information specified in paragraphs (c)(15)(ii)(i)(1) \$mough  2) of this section.  1 Location.  1 Location.  1 Location.  1 Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  1 Location.  2 Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Number and type of components for which fugilive emissions were detected.  3 Number and type of difficult-to-monitor and unsafe-to-monitor fugilive emission components monitored.  3 Instrument reading of each fugilive emissions component that requires repair when Method 21 is used for	imbedded within or stored with the digital file. As an alternative to imbedded latitude and longitude within the digital file,	
This is clearly read in the digital image.  Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.  Act Applicable  S1°F, wind 2mph SW  none  Tag819 - kimray regulator vent, compressor suction  Tag818 - kimray regulator vent, compressor suction  Tag819 - weir rod cap gasket, heater treater  Tag820 - Murphy level controller, compressor scrubber  Tag821 - Murphy level controller, compressor scrubber  Tag822 - Murphy level controller, compressor scrubber  Tag822 - Murphy level controller, compressor scrubber  Tag823 - Murphy level controller, compressor scrubber  Tag824 - Murphy level controller, compressor scrubber  Tag825 - Murphy level controller, compressor scrubber  Tag826 - Murphy level controller, compressor scrubber  Tag826 - Murphy level controller, compressor scrubber  Tag827 - Murphy level controller, compressor scrubber  Tag828 - Murphy level controller, compressor scrubber  Tag829 - Murphy level controller, compressor scrubber  Tag	the digital photograph or video may consist of an image of the monitoring survey being performed with a separately	
Pugitive emissions component identification when Method 21 is used to perform the monitoring survey.   Not Applicable	operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit	
5) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.  6) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  7) Documentation of each lugitive emission, including the knormetion specified in paragraphs (c)(15)(ii)(i)(1) through 2) of this section.  81°F, wind 2mph SW  128818 - Kimray regulator vent, compressor suction 128819 - weir rod cap gasket, heater treater 128820 - Murphy level controller, compressor scrubber 128821 - Murphy level controller, compressor scrubber 128822 - Murphy level controller, compressor scrubber 128822 - Murphy level controller, compressor scrubber 128823 - Murphy level controller, compressor scrubber 128823 - Murphy level controller, compressor scrubber 128824 - Murphy level controller, compressor scrubber 128825 - Murphy level controller, compressor scrubber 128826 - Murphy level controller, compressor scrubber 128827 - Murphy level controller, compressor scrubber 128828 - Murphy level controller, compressor scrubber 128829 - Murphy le	can be clearly read in the digital image.	
3) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.  (i) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  (ii) Documentation of each lugitive emission, including the information specified in paragraphs (c)(15)(ii)(i) frough  (iii) Tag818 - Kimray regulator vent, compressor suction  (iii) Tag819 - weir rod cap gasket, heater treater  (iii) Tag820 - Murphy level controller, compressor scrubber  (iii) Tag821 - Murphy level controller, compressor scrubber  (iii) Tag822 - Murphy level controller, compressor scrubber  (iii) Tag822 - Murphy level controller, compressor scrubber  (iii) Tag823 - Murphy level controller, compressor scrubber  (iiii) Tag823 - Murphy level controller, compressor scrubber  (iii) Tag825 - Murphy level controller, compressor scrubber  (iii) Tag826 - Murphy level controller, compressor scrubber  (iii) Tag827 - Murphy level controller, compressor scrubber  (iii) Tag828 - Murphy level controller, compressor scrubber  (iii) Tag828 - Murphy level controller, compressor scrubber  (iii) Tag828 - Murphy l	(F) Fugilive emissions component identification when Method 21 is used to perform the monitoring survey.	Not Applicable
if) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  Documentation of each lugitive emission, including the information specified in paragraphs (c)(15)(ii)(i) is brough 2) of this section.  Location.  Location.  Location.  Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  No deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  No deviations from monitoring plan  No deviations from monitoring plan  S-kimray regulator vent, compressor suction  Tag819 - weir rod cap gasket, heater treater  Tag820 - Murphy level controller, compressor scrubber  Tag821 - Murphy level controller, compressor scrubber  Tag822 - Murphy level controller, compressor scrubber  Tag822 - Murphy level controller, compressor scrubber  37.08036N, 98.28643W  No deviations from monitoring plan  S-kimray regulator vent, compressor suction  Tag819 - weir rod cap gasket, heater treater  Tag820 - Murphy level controller, compressor scrubber  Tag822 - Murphy level controller, compressor scrubber  Tag822 - Murphy level controller, compressor scrubber  Tag828 - Wurphy level controller, compressor scrubber  Tag828 - Kimray regulator vent, compressor suction  Tag819 - weir rod cap gasket, heater treater  Tag820 - Murphy level controller, compressor scrubber  Tag822 - Murphy level controller, compressor scrubber  Tag828 - Murphy level controller, compressor scrubber  Tag829 - weir rod cap gasket, heater treater  Tag829 - Murphy level controller, compressor scrubber  Tag829 - Wurphy level controller, co	(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	81°F, wind 2mph SW
Documentation of each fugilive emission, including the knomesion specified in paragraphs (c)(15)(ii)(i)(1) shrough  2) of this section.  1 Location.  1 Location.  2 Location.  3 Celegrater of a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  5 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  5 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	(H) Any deviations from the monitoring plan or a stalament that there were no deviations from the monitoring plan.	ROBE
Documentation of each fugilive emission, including the knomesion specified in paragraphs (c)(15)(ii)(i)(1) shrough  2) of this section.  1 Location.  1 Location.  2 Location.  3 Celegrater of a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  3 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  4 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  5 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  5 Locations from the monitoring plan or a statement that there were no deviations from the monitoring plan.		Tassag . Emray condain vant romnosant corten
Documentation of each fugitive emission, siciluding the information specified in paragraphs (c)(15\(ii)(i)(1)\) brough 2) of this section.  Tag820 - Murphy level controller, compressor scrubber Tag821 - Murphy level controller, compressor scrubber Tag822 - Murphy level controller, compressor scrubber Tag822 - Murphy level controller, compressor scrubber 37.08036N, 98.28643W No deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  Number and type of components for which fugilive emissions were detected.  Number and type of difficult-to-monitor and unsafe-to-monitor fugilive emission components monitored.  Instrument reading of each fugilive emissions component that requires repair when Method 21 is used for		3) "
Tag821 - Murphy level controller, compressor scrubber Tag822 - Murphy level controller, compressor scrubber Tag822 - Murphy level controller, compressor scrubber 37.08036N, 98.28643W    Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan. No deviations from monitoring plan   Number and type of components for which fugilities emissions were detected. S-kimray regulator, wefir rod gasket, Murphy Level Controller's     Number and type of difficult-to-monitor and unsafe-to-monitor lugitive emission components monitored.   0     Instrument reading of each fugilities emissions component that requires repair when Method 21 is used for   101	(i) Documentation of each fugitive emission, sicluding the information specified in paragraphs (c)(15)(ii)(i)(1) through	
Tag822 - Murphy level controller, compressor scrubber 37.08036N, 98.28643W  No deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan. No deviations from monitoring plan S-klimray regulator, well rod gasket, Murphy Level Controller's Number and type of difficult-to-monitor and unsafe-to-monitor update emission components monitored. Number and type of difficult-to-monitor and unsafe-to-monitor update emission components monitored.	(12) of this section.	
Location.   37.08035N, 98.28643W		
Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.  No deviations from monitoring plan  S-klimray regulator, weir rod gasket, Murphy Level Controller's  Number and type of difficult-to-monitor and unsafe-to-monitor tuglitive emission components monitored.  Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for		
1) Number and type of components for which fugible emissions were detected.  1) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.  2) Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for		
Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.  Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for	(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	
Instrument reading of each fugilive emissions component that requires repair when Method 21 is used for Not Applicable	(3) Number and type of components for which fugitive emissions were detected.	ajanannannianniikaaniikaanniinnanniinnanniikaannanniikaaniinniikaaniikaaniikaaniikaaniikaaniikaaniikaaniikaani
	(4) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.	0
		Not Applicable
	monitorine.	
	(6) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).	1)
	(7) Number and type of companients that were tagged as a result of not being repaired during the monitoring survey when the fugitive emissions were initially found as required in §50.5397a(h)(3)(ii).	5
	(8) If a fugitive emissions component is not tagged, a digital photograph or video of each fugitive emissions component	
	that could not be repaired during the monitoring survey when the fuglifive emissions were initially found as required in	
	§60.5397a(h)(3)(ii). The digital photograph or video must clearly identify the location of the component that must be	
paired. Any digital photograph or video required under this paragraph can also be used to meet the requirements	repaired. Any digital photograph or video required under this paragraph can also be used to meet the requirements	
	under personaph (c)(15)(i)(E) of this section, as long as the photograph or video is taken with the optical gas imaging	
strument, includes the date and the latitude and longitude are either imbedded or visible in the picture.	instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture	
	(18) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of	0
	reasir (11) The date of successful repair of the fugitive emissions component.	łhd
23. Leaks marketing and by many an applied familiar outlanding agreement that an ideas has exempted design that	(77) Fire case of succession reper or one rightly emissions component that could not be repaired during the	
	iugej (75) justrumananou read to teachse à rebailed inditise emessous combrueur mar coold un ne rebailed missiô de (155) justrumentation read to teachse à sebailed inditise emessous combrueur mar coold un ne rebailed missiô de	FUR GF320
925 924 94 94 94 94 94 94 94 94 94 94 94 94 94		
		Ma Canazacear Stations
ii) For the collection of Augliève emissions companents at a compressor station, if a monitoring survey is waived under		
ii) For the collection of fugitive emissions companents at a compressor station, if a monitoring survey is waived under 80.5397a(g)(5), you must maintain records of the average calender month temperature, including the source of the No Compressor Stations	gov.oder alggga), you must reament records or the evenage calendar months compensione, including the source of was Information, for each calandar month of the quadraty monitoring period for which the monitoring survey was walved.	and resemperateurs and manuel

Diel Farms 15-34-9 2H Pad

Lask Tag ID	Location Description	Date of Lesk IR Survey	Repair/Rapiacement Task	Date of Leak Repair	Repair Verification Date	(M. Cormers or Soap and to be on Delay of Repair Bulbow) (SOR)	to be an Delay of Repair (DOR)	DDR Resson Description	DOR Repair Date
45	Tagălă - Kimsay regulator vant, comprezsor Suction	7.007/0E/S							
gtii	ag819 - weir rod cap gasket, heater treater			10/1/2017	10/2/2017	IR Camera			
ümü	aguan - Marphy level controller, compressor srubber			10/26/2017	2102/92/01	Snap and Bubbie			
ar i	agg31 - Murphy level controller, compressor trubber			10/26/2017		Soap and Bubble			
	Tag 822 - Murphy leval controller, compressor scrubber			6/9/2017		III Camera			
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Requirement	Comment/Answer
Tapstone Energy	
100 East Main Street	na
Okłahoma City, OK 73104	
Kennedy 14-34-9-1H	Harper County, KS; Well #130497
37.08036N, 98.26687W	
(A) Date of the survey.	30-May-17
(B) Beginning and and time of the survey.	12:00pm-12:95pm
{3·/	Greg Stroscher
(D) Monitoring instrument used.	FLIR GF320
(E) When optical gas imaging is used to perform the survey, one or more digital photographs or videos, captured from the optical gas imaging instrument used for conduct of monitoring, of each required monitoring survey being performed. The digital photograph must include the date the photograph was taken and the latitude and longitude of the collection of fugitive emissions components at a well site or collection of fugitive emissions components at a compressor station	Tag814]pg Tag833]pg Tag834]pg Tag915]pg Tag816]
imbedded within or stored with the digital file. As an alternative to imbedded latitude and longitude within the digital file.	
the digital photograph or video may consist of an image of the monitoring survey being performed with a separately operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit can be clearly read in the digital image.	Teg(anardo).jpg
(F) Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.	0
(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	76°F, wind 3mph NW
<u> </u>	none
(H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	
(I) Documentation of each fugitive emission, including the information specified in paragraphs (c)(15)(ii)(f) through (72) of this section.	Tag814 - 1"x2" bushing, compressor discharge Tag833 - Murphy level controler, compressor scrubber Tag834 - Murphy level controler, compressor scrubber Tag815 - Compression elbow, knockout regulator Tag816 - 25" "1", knockout regulator Tag(enerdo) - enerdo, tank battery
(f) Location.	37.08036N, 98.26682W
(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	No deviations from monitoring plan
(3) Number and type of components for which fugitive emissions were detected.	5
(4) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.	0
(5) Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for monitoring.	Not Applicable
(6) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).	0
(7) Number and type of components that were tagged as a result of not being repaired during the monitoring survey when the fugitive emissions were initially found as required in \$60.5397a(h)(3)(ii).	4 - Tag814, Tag833, Tag834, Tag(enardo)
(8) If a fugilive emissions component is not tagged, a digital photograph or video of each fugitive emissions component that could not be repaired during the monitoring survey when the fugilive emissions were initially found as required in §60.5397a(h)(3)(ii). The digital photograph or video must clearly identify the location of the component that must be repaired. Any digital photograph or video required under this paragraph can also be used to meet the requirements under paragraph (c)(15)(ii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture.	Tag815repair.jpg Tag816repair.jpg
(10) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.	
(11) The date of successful repair of the fugitive emissions component.	30-May-17
(12) Instrumentation used to resurvey a repaired fugilive emissions component that could not be repaired during the initial fugilive emissions finding.	FUR GF320
(iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under §60.5397a(g)(5), you must maintain records of the average calendar month temperature, including the source of the information, for each calendar month of the quarterly monitoring period for which the monitoring survey was waived.	No Compressor Stations

NOR Repair Date DOR Reason Description Repair Verification Method Date leak is determined (IR Camers or Soap and to be on Delay of Repair Backhal) (DOR) is Camera IR Camera iR Camera IR Camera IR Camera N/A 7/10/2017 10/2/2017 \$/30/2017 Repair Verification Date 7/14/2017 2/23/2021 6/23/2017 1102/6/8 5/30/2017 5/30/7017 10/31/2017 Date of Leak Report Repair/Replacement Task 5/30/3017 5/30/2017 5/30/2017 5/30/2017 5/30/2017 5/30/2017 Date of Leak IR Survey Tag 814 - 1"12" bushing, compressor discharge.
Tag 833 - Mauriny level controler, tompressor
Taribher.
Scribber (Compressor Scribber (C Lecation Description Care Tar E 815 816 Enardo 818 833 834

Kennedy 14-34-9 1H Pad



Regultement	Comment/Answer
Tapstone Energy	
100 East Main Street	na
Oklahoma City, OK 73104	
LEANN 23-34-9 2H	Harper County, KS
37.05124N, 98.75319W (A) Date of the survey.	30-May-17
Lindan and the control of the contro	2:40pm - 3:35pm
12	Greg Stroscher
	FLIR GF320
· · · · · · · · · · · · · · · · · · ·	manual transformation of the state of the st
(E) When optical gas imaging is used to perform the survey, one or more digital photographs or videos, captured fro the optical gas imaging instrument used for conduct of monitoring, of each required monitoring survey being perform The digital photograph must include the date the photograph was taken and the latitude and longitude of the collectio	827.jpg Tag828jpg Tag(enardo)jpg Tag829jpg
lugitive emissions components at a well site or collection of lugitive emissions components at a compressor sistion	20000000
the digital photograph or video may consist of an image of the monitoring survey being performed with a separately	630.jpg
operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS L	
can be clearly read in the digital image.	
p	Not Applicable
(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	84°F, wind 1mph W
(H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	none
(12) of this section.	Tag827 - Murphy level controler, compressor scrubber Tag828 - Kimray regulator vent, compressor suction Tag(enardo) - enardo, tank battery Tag829 - Thief Hatch, water tank Tag830 - Thief Hatch, uil tank 2
	Tag831 - Thief Hatch, oil tank 1
(1) Location.	97.05124N, 98.25319W
(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	No deviations from monitoring plan
(3) Number and type of components for which fugitive emissions were detected.	6 - Murphy Level Controller, Kimray regulator, Enardo Valve, 3 Thiel Hatches
(4) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.	0
(5) instrument reading of each fugitive emissions component that requires repair when Method 21 is used for monitoring.	Not Applicable
(6) Number and type of fugitive amissions components that were not repaired as required in §60.5397a(h).	0
(7) Number and type of components that were tagged as a result of not being repaired during the monitoring survey	6
when the fugilive emissions were initially found as required in \$60.5397a(h)(3)(ii).	<del></del>
(8) It a fugitive emissions component is not tagged, a digital photograph or video of each fugitive emissions component that could not be repaired during the monitoring survey when the fugitive emissions were initially found as required in §50.5397a(h)(3)(ii). The digital photograph or video must clearly klentify the location of the component that must be repaired. Any digital photograph or video required under this peragraph can also be used to meet the requirements under paragraph (c)(15)(ii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture.	
(70) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.	0
(1 spen). [(1 f ) The date of successful repair of the fugitive emissions component.	tbd
(77) The table to access our repair of the highly a emissions component that could not be repaired during the initial fusitive emissions finding.	FLIR GF320
(iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under §60.5397a(g)(5), you must maintain records of the average calendar month temperature, including the source of the information, for each calendar month of the quarterly monitoring period for which the monitoring survey was waived.	No Compressor Stations

Taga27 - skurpiny levesi Donithises, compresson Syst/2017 Taga28 - skimawy regulator went, Compresson	Losto est Look in Survey Task	Date of Leak Reports	Repair Verification Date	(IR Camera or Soap and   En be on Delay of Repair Bubble)	to be on Deley of Report (DOR)	DOR Reason Description	DOR Report Date	Metes
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Tapstone Energy 100 East Main Street Oklahoma City, OK 73104 (East) 15-235-14	na Harper County, KS; Well #130498
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Okishoma City, OK 73104	
81 carry 16, 28, 9, 114	Harper County, KS; Well #130498
R B	
37,08041N, 98,79480W (A) Date of the survey.	30-May-17
<u></u>	2:05pm-2:30pm
<u> </u>	Greg Stroscher
himinaanaaniaanaaniainiaanaanaaniaanaanaaniaanaan	FUR GF320
(E) When optical gas imaging is used to perform the survey, one or more digital photographs or videos, captured fro the optical gas imaging instrument used for conduct of monitoring, of each required monitoring survey being perform. The digital photograph must include the date the photograph was taken and the latitude and longitude of the collection flugitive emissions components at a well site or collection of flugitive emissions components at a compressor station imbedded within or stored with the digital file. As an afternative to imbedded latitude and longitude within the digital file the digital photograph or video may consist of an image of the monitoring survey being performed with a separately operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS	
can be clearly read in the digital image.	
\$`````````````````````````````````````	Not Applicable
(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	81°F, wind 6mph E
(H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	none
(12) of this section:	Tag823 - Kimray regulator vent, compressor suction Tag824 - Murphy level controller, compressor scrubber Tag825 - Murphy level controller, compressor scrubber Tag826 - Murphy level controller, compressor scrubber Taglenardo) - enardo, tank battery 37.08041N, 98.29480W
(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	No deviations from monitoring plan
(3) Number and type of components for which lugitive emissions were detected.	5 - Murphy Level Controller's, Kimrayregulator, enardo valve
(4) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.	0
(5) Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for monitoring.	Not Applicable
(6) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).	0
(7) Number and type of components that were tagged as a result of not being repaired during the monitoring survey when the fugitive emissions were initially found as required in \$50.5397a(h)(3)(ii).	S
(8) If a fugitive emissions component is not tagged, a digital photograph or video of each fugitive emissions component that could not be repaired during the monitoring survey when the fugitive emissions were initially found as required in §60.5397a(h)(3)(ii). The digital photograph or video must clearly identify the location of the component that must be repaired. Any digital photograph or video required under this paragraph can also be used to meet the requirements under paragraph (c)(15)(iii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging instrument, includes the date and the fathude and longitude are either imbedded or visible in the picture.	
(10) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.	0
	tbd
1/17) Instrumentation used to recurred a renaised builting emissions component that cruid not be renaised during the	FLIR GF320
(iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under	No Compressor Stations

	12ech 16-34-9 1H Pad					***************************************				
Leash Tag ID	Location Description	Date of Lead IR Survey	Repair/Replacement	Coste of Leak Reports	Repair Verification Date	Metho Spend	to be on Delay of Record	DDM Reason Description	DOR Repair Date	Notes
	Fag\$23 - Kinnay regulator vent, compressor					13 Common	3000			
823	ziktlen	21,307/561/5		10/2/201	30,7,703.7		***	***************************************		
83.4	Tagilis - Murphy level controller, compressor scrubber	2,387,087,5					•••••		*****	
26.88	Tagg25 - Aturahy level controller, compressor			Y rodiscins	7 1907,807,01	Soap and Bubble				
1	Tagaza - Murphy level controller, compressor			2352559		IR Carrera	***************************************			
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Requirement	Comment/Answer
Tapstone Energy	
100 East Main Street	na
Oklahoma City, OK 73104	
Mark 24-34-9 2H	
97.05124N, 98.25919W	Harper County, KS; Well #130485
(A) Date of the survey.	30-May-17
(B) Beginning and and time of the survey.	11:25am-11:50am
(C) Name of operator(s) performing survey. You must note the training and experience of the operator.	Greg Stroscher
(D) Monitoring instrument used.	FLIR GF320
(E) When optical gas imaging is used to perform the survey, one or more digital photographs or videos, captured from	800088
the polical pas imaging instrument used for conduct of monitoring, of each required monitoring survey being performe	
The digital photograph must include the date the photograph was taken and the latitude and longitude of the collection Taken	**************************************
fugitive emissions components at a well site or collection of fugitive emissions components at a compressor station	
imbedded within or stored with the digital file. As an alternative to imbedded latitude and longitude within the digital file,	
the digital photograph or video may consist of an image of the monitoring survey being performed with a separataly	
operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit	
can be clearly read in the digital image.	
(F) Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.	Not Applicable
(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	76°F, wind 6mph SW
(H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	none
(I) Documentation of each fugitive emission, including the information specified in paragraphs (c)(15)(i)(i)(i) through	Tag836 - Kimray regulator vent, compressor suction
(12) of this section.	Tag835 - Murphy level controler, compressor scrubber
(1) Location.	37.0S124N, 98.25319W
(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	No deviations from monitoring plan
(3) Number and type of components for which fugitive emissions were detected.	2 - regulator, level controler
(4) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.	0
(5) Instrument reading of each fugitive emissions component that requires repair when Mathod 21 is used for monitoring	Not Applicable
(6) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).	0
(7) Number and type of components that were tagged as a result of not being repaired during the monitoring survey	,
when the fugitive emissions were initially found as required in 650.5397a(h)(3)(ii).	<u> </u>
(8) If a fugitive emissions component is not tagged, a digital photograph or video of each fugitive emissions component	
that could not be repaired during the monitoring survey when the fugitive emissions were initially found as required in	
§60.5397a(h)(3)(ii). The digital photograph or video must clearly identify the location of the component that must be	
repaired. Any digital photograph or video required under this paragraph can also be used to meet the requirements	
under paragraph (c)(15)(ii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging	
instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture.	
(9) Repair methods applied in each attempt to repair the fugitive emissions components.	[tbd
[10] Number and type of lugitive emission components placed on delay of repair and explanation for each delay of	0
repair. ((f1) The date of successful repair of the lugitive emissions component.	tbd
(12) Instrumentation used to resurvey a regained fugitive emissions component that could not be repaired during the	<u></u>
initial fuglive emissions finding.	FLIR GF320
(iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under	
\$60,5397a(g)(5), you must maintain records of the average calendar month temperature, including the source of the	No Compressor Stations
information, for each catendar month of the quarterly monitoring period for which the monitoring survey was waived.	

	Mark 25-34-9 28 Ped						***************************************			
Leask Tang 10		Date of Lask & Survey   Napok/Replacement	Nepock/Regiscement Tack	Desiry of Look Reports	Repair Verification Dete	Regions for this score Americans (contra tuble to determined (IR Commerce on States and Contra tuble on Contra tuble of Regions (INCR)	to be on Dotey of Report	SSSR Reason Description	DOM Report Erete	Notes
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\$	Tagais - stainty level controler, comparator	1,552,551,75		35928255		Snap and Bubble				
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Regulrement	Comment/Answer
Tapstone Energy	
100 East Main Street	na
Oklahoma City, OK 73194	
Saisberry 17-34-7 1H	
97.08017N, 98.10610W	Harper County, KS; Well #130462
(A) Date of the survey.	30-May-17
(B) Beginning and end time of the survey.	9:30am-10:00am
(C) Name of operator(s) performing survey. You must note the training and experience of the operator.	Greg Stroscher
(D) Monitoring Instrument used.	FLIR GF320
(E) When optical gas imaging is used to perform the survey, one or more digital photographs or videos, captured from the optical gas imaging instrument used for conduct of monitoring, of each required monitoring survey being perform. The digital photograph must include the date the photograph was taken and the latitude and longitude of the collection fugilitive emissions components at a well site or collection of fugilitive emissions components at a compressor station imbedded within or stored with the digital file. As an alternative to imbedded attitude and longitude within the digital file, the digital photograph or video may consist of an image of the monitoring survey being performed with a separately operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit can be clearly read in the digital image.	804 jpg   Tag833 jpg   Tag840 jpg   Tag806 jpg
(F) Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.	Not Applicable
(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	770°F, wind 3mph NE
(H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	none
(i) Documentation of each fugilive emission, including the information specified in peragraphs (c)(15)(i)(f)(f) through (12) of this section.	Tag804 - Kirnray regulator vent, compressor Tag839 - Murphy level controler, compressor Tag840 - Murphy level controler, compressor Tag806 - compression fittings, controler
(1) Location.	37.08017N, 98.10610W
(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	No deviations from monitoring plan
(3) Number and type of components for which higibve emissions were detected.	4-Kmray regulator, Murphy Level Controller, Murphy Level Controller, compression fittings
(4) Number and type of difficult-to-monitor and unsafe-to-monitor lugitive emission components monitored.	0
(5) Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for monitoring.	Not Applicable
(6) Number and type of highlive emissions components that were not repaired as required in §60.5397a(h).	0
(7) Number and type of components that were tagged as a result of not being repaired during the monitoring survey when the fugitive emissions were initially found as required in \$60.5397a(h)(3)(ii).	4
(6) If a fugitive emissions component is not tagged, a digital photograph or video of each fugitive emissions component that could not be repaired during the monitoring survey when the fugitive emissions were initially found as required in \$60.5397a(h)(3)(ii). The digital photograph or video must clearly identify the location of the component that must be repaired. Any digital photograph or video required under this paragraph can also be used to meet the requirements under paragraph (c)(15)(ii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture.	
(10) Number and type of fugilive emission components placed on delay of repair and explanation for each delay of repair.	0
(f1) The date of successful repair of the fugitive emissions component.	tbd
(12) Instrumentation used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding.	FLIR GF320
(iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under \$60.5397a(g)(5), you must maintain records of the average calendar month temperature, including the source of the information, for each calendar month of the quarterly monitoring period for which the monitoring survey was waived.	No Compressor Stations



Requirement	Comment/Answer
Tapstone Energy	
100 East Main Street	na
Oklahoma City, OK 73104 Salsberry 20-34-7 1H	
parsoerry 20-34-7 In 137,08017N, 98,10610W	Harper County, KS; Well #130463
{A} Date of the survey.	30-May-17
(B) Beginning and end lime of the survey.	10:00am - 10:30am
(C) Name of operator(s) performing survey. You must note the training and experience of the operator.	Greg Stroscher
(O) Monitoring instrument used.	FLIR GF320
(E) When optical gas imaging is used to perform the survey, one or more digital photographs or videos, captured from the optical gas imaging instrument used for conduct of monitoring, of each required monitoring survey being perform. The digital photograph must include the date the photograph was taken and the latitude and knightude of the collectic flugitive emissions components at a well site or collection of flugitive emissions components at a well site or collection of flugitive emissions components at a	80Sjpg Tag841jpg Tag842jpg Tag807jpg Tag808jpg
operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS bene- can be clearly read in the digital image.	g(enardo)jpg Tag809.jpg Tag810.jpg Tag811.jpg
(F) Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.	Not Applicable
(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	70°F, wind 3mph NE
(H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	none
(i) Documentation of each fugitive emission, including the information specified in paragraphs (c)(15)(i)(f) through (12) of this section.	Tag805 - Kimray regulator vent, compressor suction Tag841 - Murphy level controler, compressor Tag842 - Murphy level controler, compressor Tag807 - compression fittings, controller Tag(enardo) - enardo, oil tank battery Tag808 - thief hatch, oil tank 2 Tag809 - thief hatch, water tank 2 Tag811 - thief hatch, water tank 1 Tag811 - thief hatch, oil tank 1
(1) Location.	37.08017N, 98.10610W
(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	No deviations from monitoring plan
(3) Number and type of components for which fugitive emissions were detected.	9- Murphy Level Controllers, Thief Hatch's, enardo, Kimray regul compression fittings
(4) Number and type of difficult-to-monitor and unsafe-to-monitor tugitive emission components monitored.	0
(5) Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for monitoring	Not Applicable
(6) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).	in .
(7) Number and type of components that were tagged as a result of not being repaired during the monitoring survey when the fugitive emissions were initially found as required in 660.5397a(h)(3)(ii).	7 - Tag805, Tag841, Tag842, Tag807, Tag(enardo, Tag810, Tag81
(300-355) attitotin. The aguar protegraph of visco must electly methy the rocation of the component wat must be	Tag808repair.jpg
repaired. Any digital photograph or video required under this paragraph can also be used to meet the requirements under paragraph (c)(15)(ii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture.	
(f0) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.	0
(11) The data of successful repair of the fugilive emissions component. (12) instrumentation used to resurvey a repaired fugilive emissions component that could not be repaired during the initial fugilive emissions finding.	30-May-17 FLIR GF320
(iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is walved under §60.5397a(g)(5), you must maintain records of the average calendar month temperature, including the source of the information, for each calendar month of the quarterty monitoring period for which the monitoring survey was waived.	No Compressor Stations

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900 200	fagilik - Kimiay regulaha uraf, znamerasas	5/38/3037		x6/2/7617	1972/2017	1200	***************************************			
883	Taggis - Paughs level restricter, compressor	7.1307,006/2		9712/3617	16/2/2017	ій Сятега				
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\$ <u>\$</u>	TagGOS - Vimray regulator went, compressor socien	5/30/2017		\$57773837]	CW2/91/1.	88 Carreers	•••••			
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Requirement	Comment/Answer
Tapstone Energy	
100 East Main Street	na
Oklahoma City, OK 73104	
Sylvia 23-34-9 1H	Manager Consumer (CC) Manager (SC) 2004 D 7
37.06572N, 98.25437W	Harper County, KS; Well #130487
(A) Date of the survey.	30-May-17
(8) Beginning and end time of the survey.	10:50am-11:25pm
(C) Name of operator(s) performing survey. You must note the training and experience of the operator.	Greg Stroscher
(D) Monitoring instrument used.	FLER GF320
(E) When optical gas imaging is used to perform the survey, one or more digital photographs or videos, captured frof the optical gas imaging instrument used for conduct of monitoring, of each required monitoring survey being perform.  The digital photograph must include the date the photograph was taken and the latitude and longitude of the collection  Tag fugitive emissions components at a well site or collection of fugitive emissions components at a compressor station.	
imbedded within or stored with the digital file. As an alternative to imbedded tatinde and longitude within the digital file	
the digital photograph or video may consist of an image of the monitoring survey being performed with a separately Tag	g(enardo).jpg
operating GPS device within the same digital picture or video, provided the tatitude and longitude output of the GPS	
can be clearly read in the digital image.	
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Not Applicable
(G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.	74°F, wind 3mph SW
(H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	none
(I) Documentation of each fugitive emission, including the information specified in paragraphs (c)(15)(f)(I)(f) through (12) of this section.	Tag812 - Kimray regulator vent, compressor suction Tag837 - Murphy level controler, compressor scrubber Tag838 - Murphy level controler, compressor scrubber Tag813 - 1"union, verticle seperator
	Tag(enardo) - enardo, tank battery
(f) Location.	37.06572N, 98.25437W
(2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.	No deviations from monitoring plan
(3) Number and type of components for which fugitive emissions were detected.	5 - regulator, level controlers, 1"union, enardo
(4) Number and type of difficult-to-monitor and unsafe-to-monitor fugilive emission components monitored.	0
(5) Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for monitoring.	Not Applicable
	0
(7) Number and type of components that were tagged as a result of not being repaired during the monitoring survey when the fugitive emissions were initially found as required in \$60.5397a(h)(3)(ii).	4
repaired. Any digital photograph or video required under this paragraph can also be used to meet the requirements under paragraph (c)(15)(ii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture.	g8 E3 repair jpg
(10) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.	0
(11) The date of successful repair of the fugitive emissions component.	30-May-17
(12) Instrumentation used to resurvey a repaired fugilive emissions component that could not be repaired during the initial fugilive emissions finding.	FLIR GF320
(iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under \$60.5397a(g)(5), you must maintain records of the average calendar month temperature, including the source of the information, for each calendar month of the quarterly monitoring period for which the monitoring survey was waived.	No Compressor Stations

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şarçıkı)	5/302/2007		5,097,003	273473017	5R 5,303@50				
Fag837 - Murphy fevel controler, compressor stratebox		5/3/W/W/7/88sekacement	10/26/2537	500/36/2012	Stage and Subble				
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838 scrubber			1,127,127,13	7/36/3012	78.6				
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